☐ UNCLASSIFIED ☐ INTERNAL USE ONLY ☒ CONFIDENTIAL ☐ SECRET

ROUTING AND RECORD SHEET

SUBJECT: (Optional)

FROM:		EXTENSION	NO.	STAT
606 Ames Bldg.			DATE 11 May 1972	STAT

TO: (Officer designation, room number, and building)	DATE RECEIVED	DATE FORWARDED	OFFICER'S INITIALS	COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
1.	17 MAY 1972	14 MAY	MC	We would like to take a poll STAT for our own guidance at the approximate half-way point for this second pilot cycle of the Engineering Systems Analysis series. The reason for this timing is that looking back over a six-month interval may be more accurate than looking over the full 12 months of the series. Would you please check off the attached questionnaire some time in the next two weeks and route back through your Training Officer. If questions arise,
2.				
3.				
4. C/CMS/OTR				
5.				
6. TA/PP/ORD 606 Ames				
7.				STAT
8.				
9.				STAT
10.				
11.				
12.				
13.				
14.				
15.				

FORM 3-62 610 USE PREVIOUS EDITIONS ☐ SECRET ☐ CONFIDENTIAL ☐ INTERNAL USE ONLY ☐ UNCLASSIFIED

COURSE CRITIQUE

Please rate 1-10 (poor to excellent respectively) by placing a check on the scale given. Comment below question where indicated. Use back of pages if needed.

FORM   RATING

1. Format of the course was intended to accommodate to a rough 5% time commitment and to provide for a full-day class treatment of a particular topical area. Please rate:

1 day/month	1 _____ 5 _____ 10
4 hours/every 2 weeks	1 _____ 5 _____ 10

Other Alternatives:

2. The point of the applications session was to illustrate where current course material was utilized in the real world. Please rate effectiveness:

Material relevance	1 _____ 5 _____ 10
Applications speakers present actions	1 _____ 5 _____ 10

3. The purpose of the homework was to exercise topical material with about 4 hours of work. Please rate these:

3 one-hour problems	1 _____ 5 _____ 10
20 ten-minute problems	1 _____ 5 _____ 10

4. A possible alternative is available in giving a "keep-alive" exercise in the topical area. Please rate these alternatives for continuity (this would be a short session of 1 hour scheduled between the bi-weekly classes):

Problem-solving session	1 _____ 5 _____ 10
Second applications session	1 _____ 5 _____ 10

5. The class was intended to be weighted towards a blackboard-pictorial development in order to convey modelling concepts more readily. Please rate effectiveness of alternatives:

Diagrammatic presentation   1____5____10

Mix of vuegraphs & chalkboard   1____5____10

6. The symbology of various systems disciplines is confusing due to the separate source developments. An effort at consistency was made in order to permit cross interpretation within the technical literature. Please rate effectiveness:

Common symbology   1____5____10
Example illustrations   1____5____10

7. The intent of notes and handout material furnished throughout the month was to tie course topics to technical literature. Please rate:

Effectiveness of handout reprints   1____5____10

Effectiveness of specially developed handouts   1____5____10

8. General impedimenta such as same room same day/month, same format, etc., for providing continuity. Please rate:

Room   1____5____10
Day   1____5____10
Daily sequence 1____5____10
Would you prefer a roundtable seminar format?   1____5____10

9.   The course was designed to present a semi-unitary approach to several disciplines.   Please rate applicable areas 1-10:

Communications _____   Optics _____   Acoustics _____
Hum. Eng. & Biomed. _____   Seismics _____   Pictorial _____
Computer Technology _____

SUBSTANCE

10.   The course material is split 50% basic math tools and 50% in commonality subsystems.   (Those subsystems which are pervasive in designs across disciplines.)   The sequence was that recommended by ASEE for match modelling related to several fields.   Please rate:

Balance of material   1 ____5____ 10
Total content   1 ____5____ 10

The sequence is given below for each session.   Please give your rating for both material content and for the applications given both formally and in the course of concept development.

11.   Session I; Vectorial Representation; matrices, num. analysis, linear systems, sampling, manipulation:

Material   1 ____5____ 10
Application   1 ____5____ 10

12.   Session II; Transforms; convolution, Fourier and Laplace transformations, Z transforms, impulse response, numerical analysis:

Material   1 ____5____ 10
Application   1 ____5____ 10

13.   Session III; Probability and Statistics; random var., expectancy, density functions, distributions, confidence limits:

Material   1 ____5____ 10
Application   1 ____5____ 10

14. Session IV; Stochastic Variable; stationarity, ergodicity, moments, correlation, power spectral density, white noise, square law detection:

Material	1	5		10
Application	1	5		10

15. Session V; Signal Detection; value, cost liklihood ratio detection, Bayes Law:

Material	1	5		10
Application	1	5		10

16. Session VI; Detector Subsystems I; receiver operating characteristics, detection situations, S/N ratio, data smoothing and prediction:

Material	1	5		10
Application·	1	5		10